Permit-To-Construct Permit Modification/Application

Glanbia Foods, Inc.

Prepared for

Glanbia Foods, Inc.

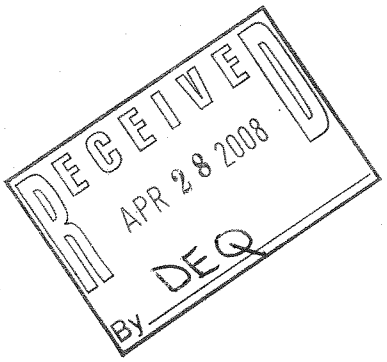
April 2008

CH2MHILL

glanbia
FOODS

Glanbia Foods, Inc.
1728 South 2300 East
Gooding, ID 83330

Telephone (208) 934-8195
Facsimile (208) 934-8294



April 25, 2008

Mr. Bill Rogers
Air Program Manager
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706-1255

Subject Permit-to-Construct Modification ,Withdrawal/Re-submittal Letter
Glanbia Foods, Inc.
1728 South 2300 East
Gooding, Idaho

Dear Mr. Rogers:

Glanbia Foods, Inc. (Glanbia) is requesting to withdraw the Permit-to-Construct (PTC) modification application that was submitted to the Idaho Department of Environmental Quality (IDEQ) on February 20, 2008. The IDEQ identified a low PM10 emission factor used for estimating emissions for Boilers 2 and 3 when combusting No. 2 diesel fuel. This error was recently discovered which requires a revision to the facility-wide PM10 modeling. The withdrawal is primarily required because the revised PM10 modeling files will not be reviewed within IDEQ's regulatory timeframe of 90 days.

This letter also serves to reconstitute the re-submittal of the attached PTC modification application dated April 2008. This PTC submittal includes revised facility-wide PM10 modeling results, facility-wide emissions tables, and updated DEQ forms. It is also our understanding that the intial $1,000 application fee will be re-applied to this PTC submittal.

This PTC modification includes an upgrade to the lactose production line with new process equipment and the installation of a new WPC bagging line. Glanbia is up against a construction timeline constraint at the end of May and is requesting the support of IDEQ to expediate this application.

I, Todd Hughes, certify that the statements and information in this document are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

Sincerely,

Todd Hughes
Environmental Manager

cc. Rick McCormick, CH2M HILL
Shawnee Chen, IDEQ

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Appendixes

1.0 Introduction

Glanbia Foods, Inc. (Glanbia) operates a cheese and whey manufacturing facility located at 1728 South 2300 East, Gooding, Idaho. The facility covers approximately 500 acres of land located about 3.7 miles east of Gooding, Idaho in an attainment area for all criteria pollutants.

Glanbia is requesting a permit modification from the Idaho Department of Environmental Quality (IDEQ) for Permit-To-Construct (PTC), permit number P-2007.0052, currently issued to the Gooding facility. Specifically, Glanbia is proposing to upgrade their lactose production line with new process equipment and install a new WPC bagging line. The only regulated pollutant that needs to be evaluated for this permit modification is particulate matter less than 10 microns in diameter (PM_{10}). There are seven new emission points proposed with the equipment upgrade of the lactose production line and new WPC bagging line. They include:

- **Drying Process –** (1) A new primary dryer will replace the current delumper. The primary dryer will be steam heated. The primary dryer will contain a new baghouse system to replace the existing scrubber. (2)A secondary fluidized bed dryer will replace the existing dryer. The fluidized bed dryer will also be steam heated. The fluidized bed utilizes a baghouse for product recovery.
- **Milling Process** – (3) Lactose product recovered from the drying process is directed to a receiving baghouse. The lactose product recovered from the receiving baghouse is either routed to the existing Bauermeister Mill or a new Powder Mill.
- **Powder Handling –** (4) The two existing lactose powder bins will no longer exhaust into the facility but will be reconfigured to exhaust to the atmosphere with the addition of one new powder bin. Therefore, one stack will be configured to combine the exhaust streams of three lactose powder bins. (5) The two existing surge hoppers will no longer exhaust into the facility but will be reconfigured to exhaust to the atmosphere. Therefore, one stack will be configured to combine the exhaust streams of two existing surge hoppers.
- **WPC Bagging Line (2 emission points) –** A new WPC bagging line is proposed to handle the WPC bulk storage from the existing WPC filling station. This will involve two new emission points. (6) A new WPC surge hopper will vent to the atmosphere; and (7) a new nuisance baghouse on the end of the WPC bagging line.

A scaled plot plan with stack locations is provided in Figure 1.

Glanbia is also requesting that the permit language in permit condition 4.10 (P-2007.0052, modified August 22, 2007) that cites "annual compliance certification" be removed. This is permit language that only Tier I permit holders received which is not applicable to this facility.

Additionally, Glanbia is requesting to remove the operating, monitoring, recordkeeping, reporting requirements for the scrubber operation because the scrubber will be taken out of service and replaced within six months of the completion of the previous lactose production

upgrade. Therefore, Glanbia is requesting to remove permit conditions 4.5 through 4.9 (P-2007.0052, modified August 22, 2007).

A pre-permit application meeting about this project was held with IDEQ on January 11, 2008.

An application fee has been included with the application submittal in accordance with IDAPA 58.01.01.226.

2.0 Process Description

The Glanbia Gooding facility produces whey powder from the lactose production line. Lactose whey is produced through a multi-step process starting from evaporation of raw milk into crystallizers to a series of refiners before entering a drying cycle. A primary dryer utilizes steam heat to carry lactose particles to a cyclone. Lactose particles are discharged from the cyclone to a fluidized bed dryer for final drying. Fine lactose particles are carried in the airstreams from the primary and fluidized bed dryers to their corresponding baghouses and the mill receiving baghouse for product recovery. Most of the lactose particles are discharged from the fluidized bed to a conveying line for transport to lactose powder bins. Lactose whey is temporarily stored in the powder bins and eventually is transferred through a surge hopper to the lactose bagging line where the finished product is received for packaging. A relatively small amount of fine whey particulate matter will emit to the atmosphere through the new baghouses associated with the lactose powder bins and surge hopper.

A new dedicated WPC bagging line will allow finished WPC to be packaged more efficiently. Dried WPC is transferred to WPC powder bins. (The WPC powder bins are enclosed within the building.) Finished WPC is transferred from the WPC powder bins to the new WPC bagging line. The WPC process line and Lactose process line will utilize the same piping and feed system for bulk packaging.

There are no changes proposed for any of the fuel combustion sources for this permit modification.

Process flow diagrams for the lactose line upgrade and WPC bagging line addition are provided in Appendix A. IDEQ permit application forms are provided for the new lactose line and WPC bagging line equipment in Appendix B.

3.0 Emissions Estimates

PM_{10} emission calculations have been prepared for seven new baghouses (5 with the Lactose Process Line and 2 with the new WPC bagging line) associated with a net increase in lactose whey and WPC from equipment upgrades. As mentioned in the introduction, PM_{10} is the only regulated pollutant affected by the equipment upgrades. Potential-to-emit (PTE) calculations are based on manufacturer powder ratings and baghouse efficiencies for the Lactose process line and manufacturer grain loading for the WPC bagging line. Emission calculations are provided in Appendix C. **Facility-wide emission calculation EXCEL spreadsheets are included with the modeling files on the enclosed CD.**

There are no toxic air pollutants emitted as a result of the equipment upgrades.

3.1 Process Equipment

IDEQ has previously determined that the lactose receiving baghouse is considered process equipment. The lactose receiving baghouse is used by the Bauermister Mill to recover dried whey product. This process could not operate without the baghouse because removing it would result in total loss of product.

This same determination is being proposed for the seven new baghouses included in this permit modification. The primary objective is to package whey product so the goal is to maximize collection efficiency and recover as much of the whey product as possible. Therefore, Glanbia is requesting no emission limits for any of the baghouses.

4.0 Facility Classification

The Gooding facility is classified as a minor facility because its PTE is less than major source thresholds without requiring PTE limits. The facility is not a designated facility as defined in IDAPA 58.01.01.006.26. The facility is not a major source as defined in IDAPA 58.01.01.008.10.

The facility is located in Gooding County which is classified as unclassifiable for PM_{10} as well as all other regulated criteria pollutants.

5.0 Dispersion Modeling

An air dispersion modeling protocol was prepared by CH2M HILL and submitted to IDEQ via e-mail on January 14, 2008. CH2M HILL updated the modeling protocol based on new stack parameter information and submitted a revised protocol to IDEQ on January 22, 2008. IDEQ conditionally approved the modeling protocol on January 30, 2008. A hardcopy of the air dispersion modeling protocol and IDEQ protocol approval letter are included in Appendix D.

The source parameters and modeling assumptions are identified within the modeling protocol. Stack parameters are derived from manufacturer specifications (NIRO, Bay Area Filtration, and Donaldson). Manufacturer supplied baghouse efficiencies were supplied by Bay Area Filtration for the Lactose line and grain loading information was supplied by Donaldson for the WPC baghouses. Furthermore, information was supplied by these vendors via e-mail to obtain typical baghouse temperatures and average flow rates (based on fan curve data). In addition, baghouse powder rates were supplied by each manufacturer. Manufacturer supplied information is provided in Appendix E.

Ambient air is defined as the perimeter fenceline covering approximately two-thirds of the site to the west, north, and parts of the east and south. The property boundary that is not fenced on the southern and eastern ends is identified with no trespassing signs. No trespassing signs are evenly distributed at approximately 200 feet intervals along the unfenced perimeter.

A PM_{10} emission estimate increase differential was evaluated for seven baghouses and the removal of the Lactose scrubber. A preliminary modeling analysis was performed based on the increase in PM_{10} emissions from the seven new baghouses and negative PM_{10} emissions from removal of the Lactose scrubber. The preliminary modeling impacts of PM_{10} were above the significant contribution levels. Therefore, a more refined modeling assessment was performed to evaluate the facility-wide impacts of PM_{10} against the National Ambient Air Quality Standards (NAAQS).

The PM_{10} facility-wide evaluation included the sources listed in Table 2 and Table 4 of the DEQ approved modeling protocol. The three natural gas roof-mounted heaters listed in Table 4 of the protocol were combined into one volume source for modeling purposes.

Appendix F summarizes the modeling results in comparison to the PM_{10} NAAQS. The modeled maximum PM_{10} concentration results were added to the background concentration for each pollutant and averaging period to determine the overall maximum concentration. Background concentrations used in this refined modeling analysis were provided by Kevin Schilling, IDEQ, within the approved protocol dated January 30, 2008. The overall maximum concentrations for each pollutant and averaging period were less than the regulatory standards. Therefore, no additional analysis is required.

6.0 Applicable Requirements

A regulatory analysis was performed for the Gooding facility to determine the applicability of the state and federal air quality regulations. The regulatory applicability determinations are included in this section.

The following sections address air quality regulatory compliance requirements for the Gooding facility. As detailed below, the source will comply with all applicable Idaho air quality regulations codified in IDAPA 58.01.01, as well as applicable EPA Code of Federal Regulations (CFR).

Federal Regulations

No federal regulations are applicable to this lactose whey production increase or lactose scrubber.

IDAPA Regulations

IDAPA 58.01.01.123
CERTIFICATION OF DOCUMENTS

> "All documents, including but not limited to, application forms for permits to construct, application forms for operating permits, progress reports, records, monitoring data, supporting information, requests for confidential treatment, testing reports or compliance certifications submitted to the Department shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete."

IDAPA 58.01.01.124
TRUTH, ACCURACY AND COMPLETENESS OF DOCUMENTS.

"All documents submitted to the Department shall be truthful, accurate and complete."

IDAPA 58.01.01.125
FALSE STATEMENTS

"No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under any permit, or any applicable rule or order in force pursuant thereto."

IDAPA 58.01.01.130
STARTUP, SHUTDOWN, SCHEDULED MAINTENANCE, SAFETY MEASURES, UPSET AND BREAKDOWN.

1. Primary Dryer Baghouse
2. Fluidized Bed Dryer Baghouse
3. Mill Receiving Baghouse
4. Powder Bin Baghouse
5. Lactose Surge Hopper Baghouse
6. WPC Surge Hopper Baghouse
7. WPC Nuisance Baghouse

If an excess emission event occurs during startup, shutdown, scheduled maintenance, safety measures, upset or breakdown, Glanbia will comply with IDAPA 58.01.01.130 through 58.01.01.136.

IDAPA 58.01.01.156
TOTAL COMPLIANCE

"Where more than one (1) section of these rules applies to a particular situation, all such rules must be met for total compliance, unless otherwise provided for in these rules."

IDAPA 58.01.01.157
TEST METHODS AND PROCEDURES

1. Primary Dryer Baghouse
2. Fluidized Bed Dryer Baghouse
3. Mill Receiving Baghouse
4. Powder Bin Baghouse
5. Lactose Surge Hopper Baghouse
6. WPC Surge Hopper Baghouse
7. WPC Nuisance Baghouse

If an emission test is required, Glanbia will adhere to procedures outlined in IDAPA 58.01.01.157.

IDAPA 58.01.01.161
TOXIC SUBSTANCES

"Any contaminant which is by its nature toxic to human or animal life or vegetation shall not be emitted in such quantities or concentrations as to alone, or in combination

with other contaminants, injure or unreasonably affect human or animal life or vegetation."

No increase in toxic emission estimates is associated with the addition of the new lactose equipment and new WPC bagging line.

IDAPA 58.01.01.200
PROCEDURES AND REQUIREMENTS FOR PERMITS TO CONSTRUCT

1. Primary Dryer Baghouse
2. Fluidized Bed Dryer Baghouse
3. Mill Receiving Baghouse
4. Powder Bin Baghouse
5. Lactose Surge Hopper Baghouse
6. WPC Surge Hopper Baghouse
7. WPC Nuisance Baghouse

Glanbia will follow the procedures and requirements outlined under IDAPA 58.01.01.200 for obtaining a PTC.

IDAPA 58.01.01.210
DEMONSTRATION OF PRECONSTRUCTION COMPLIANCE WITH TOXIC STANDARDS

"In accordance with Subsection 203.03, the applicant shall demonstrate pre-construction compliance with Section 161 to the satisfaction of the Department. The accuracy, completeness, execution and results of the demonstration are all subject to review and approval by the Department."

No increase in toxic emission estimates is associated with the addition of the new lactose equipment and new WPC bagging line.

IDAPA 58.01.01.300
PROCEDURES AND REQUIREMENTS FOR TIER I OPERATING PERMITS

"The purposes of Sections 300 through 399 are to establish requirements and procedures for the issuance of Tier I operating permits."

Not applicable – facility classified as minor source.

IDAPA 58.01.01.577
AMBIENT AIR QUALITY STANDARDS FOR SPECIFIC AIR POLLUTANTS (PM-10, SOx, NOx, CO, Pb)

IDAPA 58.01.01.577.01 PM-10 Standards

1. Primary Dryer Baghouse
2. Fluidized Bed Dryer Baghouse
3. Mill Receiving Baghouse
4. Powder Bin Baghouse
5. Lactose Surge Hopper Baghouse
6. WPC Surge Hopper Baghouse

7. WPC Nuisance Baghouse

IDAPA 58.01.01.577.01.a Primary and Secondary Standards

IDAPA 58.01.01.577.01.a.i Annual Standard

"Fifty (50) micrograms per cubic meter, as an annual arithmetic mean -- never expected to be exceeded in any calendar year."

IDAPA 58.01.01.577.01.a.ii 24-hr Standard

"One hundred fifty (150) micrograms per cubic meter as a maximum twenty-four (24) hour concentration -- never expected to be exceeded more than once in any calendar year."

IDAPA 58.01.01.578
DESIGNATION OF ATTAINMENT, UNCLASSIFIABLE, AND NONATTAINMENT AREAS

The proposed site for the stationary sources, Gooding County, is in an attainment or unclassifiable area for NO_x, CO, SO_x, ozone, lead, and PM_{10}.

IDAPA 58.01.01.590
NEW SOURCE PERFORMANCE STANDARDS

The proposed sources are not subject to 40 CFR Part 60.

IDAPA 58.01.01.591
NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

The proposed sources are not regulated under 40 CFR Part 61 and 40 CFR Part 63.

IDAPA 58.01.01.625
VISIBLE EMISSIONS

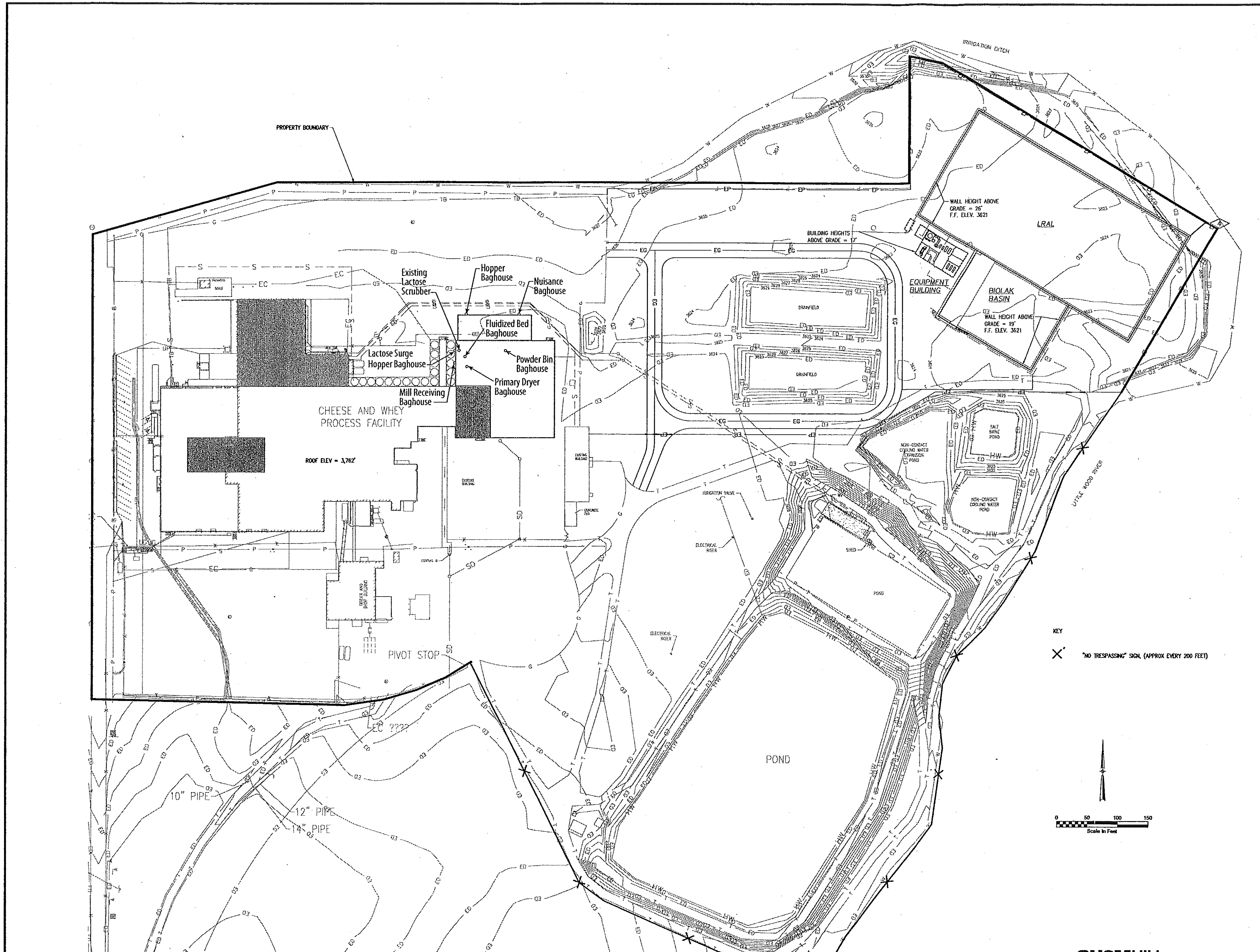
1. Primary Dryer Baghouse
2. Fluidized Bed Dryer Baghouse
3. Mill Receiving Baghouse
4. Powder Bin Baghouse
5. Lactose Surge Hopper Baghouse
6. WPC Surge Hopper Baghouse
7. WPC Nuisance Baghouse

"A person shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by this section."

It is proposed that the facility will conduct a weekly inspection of each new baghouse to ensure its proper operation.

Figure 1

Scaled Plot Plan



CH2MHILL

Tecnologia Interconfinental · glanbia foods · Biothane Corporation

NO.	REVISION	BY	CKD	APP	DATE
B	ISSUED FOR PERMIT	WS			5/21/04
A	ISSUED FOR REVIEW	WS			5/18/04

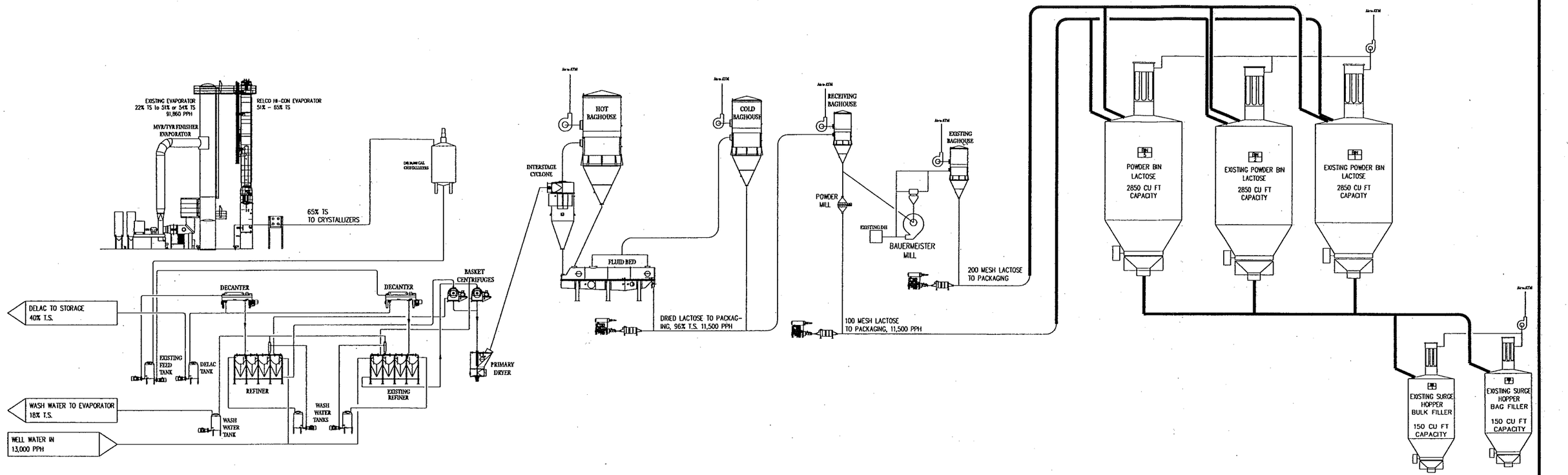
DRAWN BY: WDS
CHECKED: GR
APPROVED:
SCALE: AS NOTED

TITLE: AIR PERMIT SUPPORT SITE LAYOUT
FOR: GLANBIA GOODING, IDAHO

FIRST ISSUE DATE:
DRAWING NO. D-5694.800
REV. B

Appendix A

Process Flow Diagrams



PRELIMIINARY

SYMBOLS FOR SCOPE OF SUPPLY

- ◇ RELCO SUPPLIED / SUPPLIED BY OTHERS/ OR EXISTING
- ◆ SUPPLIED BY RELCO
- ◇ SUPPLIED BY OTHERS/ OR EXISTING

REFERENCE RELCO P & I SYMBOLS/LEGENDS

▬ = NEW RELCO EQUIPMENT & PIPING

REV	DATE	DRAWN BY	APPRV'D BY	DESCRIPTION
A	10-26-07	GMR	KLH	EQUIPMENT IDENTIFICATION & COLOR CODING RELCO SUPPLIED COMPONENTS

REVISIONS

DESCRIPTION:
KELLER LACTOSE DRYING SYSTEM (KLDS) BLOCK DIAGRAM

CUSTOMER:
GLANBIA FOODS GOODING, ID

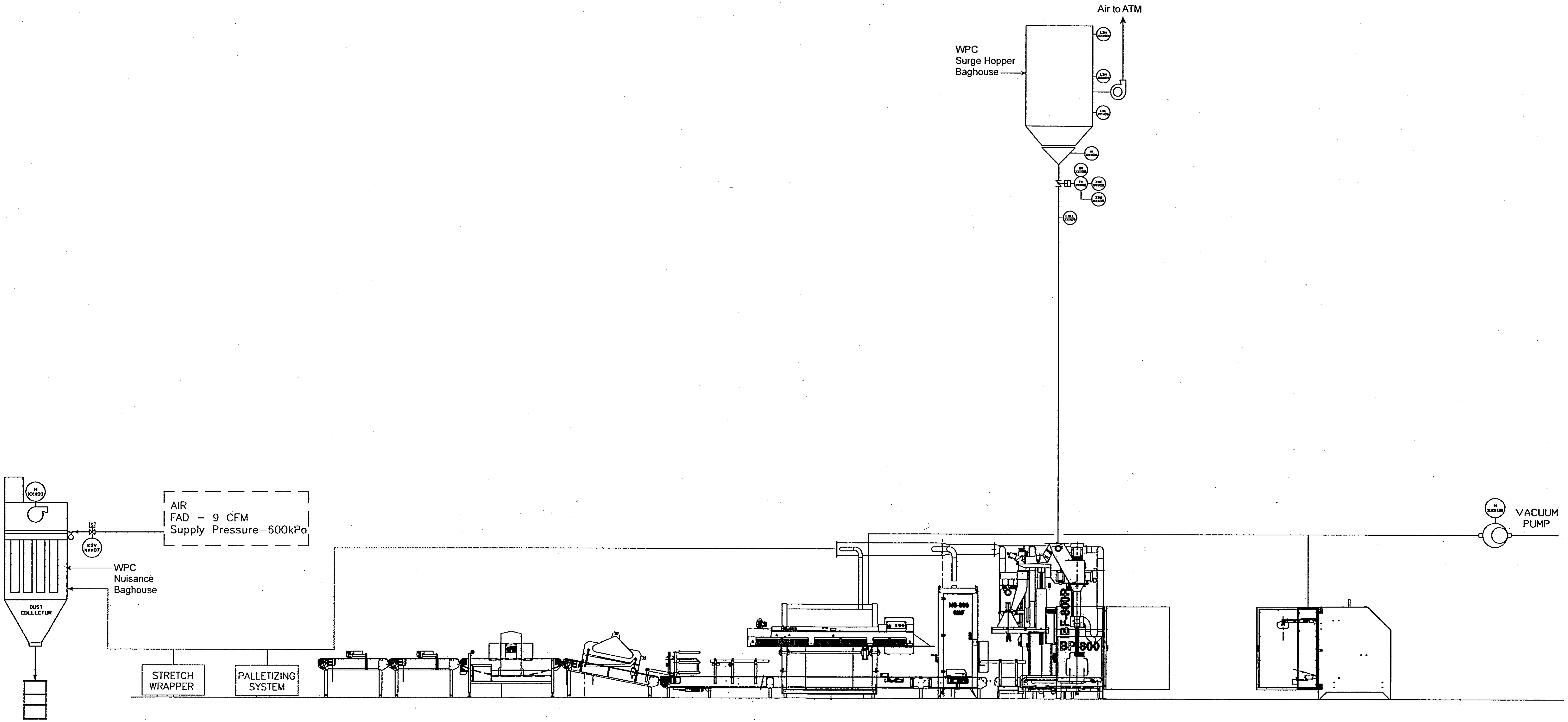
RELCO

DAIRY & FOOD PROCESS PLANT TECHNOLOGY
2281 3RD AVE SW – PO BOX 1689 – WILLMAR, MN 56201

TOLERANCE BLOCK
FRAC. ±1/16"
X.XX ±.12"
X.XXX ±.062"
HOLES ±.031"
ANGLES ±1/2"

DRAWN BY: RAO	DATE: 7/20/07
CHECKED BY:	SCALE: NONE
APPRV'D. BY: KLH	NO. OF SHEETS: 1
SALES ORDER:	JOB ORDER:

UNIT NO.	DWG. NO.	SHEET NO
01	20-7606-01-01	01



WPC BAGGING LINE
PROCESS FLOW DIAGRAM

GLANBIA FOODS, INC.
GOODING, ID

DESCRIPTION	DRAWN	CHKD	APPD	DATE	REV

GEA Process Engineering Division
NIRO LLC
COLUMBIA, MD. 21045-1991
PHONE (410) 997-8700
FAX (410) 997-5021
HUDSON, WI. 54016-2290
PHONE (715) 386-9371
FAX (715) 386-9376

P&ID DIAGRAM
IBF 600P PACKAGING LINE

DRAWN: RCB
SCALE: NTS

07.272 | 7272-980-001 | 1 | 1 | 0

Appendix B

IDEQ PTC Application Forms

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Glanbia Foods, Inc.
2. Facility Name (if different than #1)	Glanbia Foods, Gooding Facility
3. Facility I.D. No.	047-00008
4. Brief Project Description:	
FACILITY INFORMATION	
5. Owned/operated by: (√ if applicable)	☐ Federal government ☐ County government ☐ State government ☐ City government
6. Primary Facility Permit Contact Person/Title	Todd Hughes, Environmental Manager
7. Telephone Number and Email Address	(208) 934-9835 thughes@glanbiausa.com
8. Alternate Facility Contact Person/Title	Doug Pettinger, Environmental Director
9. Telephone Number and Email Address	dpettinger@glanbiausa.com
10. Address to which permit should be sent	1728 South 2300 East
11. City/State/Zip	Gooding, Idaho 83330
12. Equipment Location Address (if different than #9)	
13. City/State/Zip	
14. Is the Equipment Portable?	☐ Yes ☒ No
15. SIC Code(s) and NAISC Code	Primary SIC: 3023 Secondary SIC (if any): NAICS: 311514
16. Brief Business Description and Principal Product	Cheese and Whey Processing
17. Identify any adjacent or contiguous facility that this company owns and/or operates	
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	☐ New Facility ☐ New Source at Existing Facility ☒ Modify Existing Source: Permit No.: P-2007.0052 Date Issued: 3/23/07 ☐ Unpermitted Existing Source: ☐ Required by Enforcement Action: Case No.:
CERTIFICATION	
IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.	
19. Responsible Official's Name/Title	Todd Hughes, Environmental Manager
20. RESPONSIBLE OFFICIAL SIGNATURE	Todd Hughes Date: 4/25/08
21. ☒ Check here to indicate you would like to review a draft permit prior to final issuance.	

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 2 before filling out the form.

DEQ USE ONLY
Date Received
Project Number
Payment / Fees Included? Yes ☐ No ☐
Check Number

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	Glanbia Foods, Inc.		
2. Facility Name	Glanbia Foods, Gooding Facility	3. Facility ID No.	047-00008
4. Brief Project Description - One sentence or less	Lactose Line Equipment Upgrade and New WPC Bagging Line		

PERMIT APPLICATION TYPE

5. ☐ New Facility ☐ New Source at Existing Facility ☐ Unpermitted Existing Source
☒ Modify Existing Source: Permit No.: P-2007.0052 Date Issued: 3/23/07
☐ Required by Enforcement Action: Case No.: _____

6. ☒ Minor PTC ☐ Major PTC

FORMS INCLUDED

Included	N/A	Forms	DEQ Verify
☒	☐	Form GI – Facility Information	☐
☒	☐	Form EU0 – Emissions Units General	☐
☐	☒	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	☐
☐	☒	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU5 – Boiler Information Please Specify number of forms attached: _____	☐
☐	☒	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	☐
☐	☒	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	☐
☒	☐	Form BCE - Baghouses Control Equipment	☐
☐	☒	Form SCE - Scrubbers Control Equipment	☐
☒	☐	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	☐
☒	☐	PP – Plot Plan	☐
☒	☐	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	☐
☒	☐	Form FRA – Federal Regulation Applicability	☐

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Glanbia Foods, Inc.	Facility Name: Glanbia Foods - Gooding Facility	Facility ID No: 047-00008
Brief Project Description:	Lactose Line Equipment Upgrade and New WPC Bagging Line	

APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	☒ NO	☐ YES* * If YES then applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	☒ NO	☐ YES* *If YES please identify sub-part: ____
3. Will this project be subject to a MACT (Maximum Achievable Control Technology) regulation? (40 CFR part 63) THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT	☒ NO	☐ YES* *If YES please identify sub-part: ____
4. Will this project be subject to a NESHAP (National Emission Standards for Hazardous Air Pollutants) regulation? (40 CFR part 61)	☒ NO	☐ YES* *If YES please identify sub-part: ____
5. Will this project be subject to PSD (Prevention of Significant Deterioration)? (40 CFR section 52.21)	☒ NO	☐ YES
6. Was netting done for this project to avoid PSD?	☒ NO	☐ YES* *If YES please attach netting calculations

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/13/07

Please see instructions on page 3 before filling out the form.

IDENTIFICATION		
Company Name: Glanbia Foods, Inc.	**Facility Name:** Glanbia Foods, Gooding Facility	**Facility ID #:** 047-00008
Brief Project Description:		

IDENTIFICATION				BAGHOUSE			BAGS			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	**EU ID No.**	**CE ID No.**	**Stack ID No.**	**Baghouse Manufacturer**	**Baghouse Model No.**	**Type**	**Type**	**Size (Dia x Ht)**	**No. of Bags**	**Air to Cloth**
Primary Dryer Baghouse	BH-03		PDRY BH	Niro, Inc	NA- Built in place	16 oz Polyester		12 x 12		
Fluidized Bed Baghouse	BH-04		FBED BH	Niro, Inc	NA- Built in place	16 oz Polyester		12 x 12		
Mill Receiving Baghouse	BH-05		MREC BH	Niro, Inc	NA- Built in place	16 oz Polyester		12 x 12		
Powder Bin Baghouse	BH-06		PBINB H	Niro, Inc	NA- Built in place	16 oz Polyester		12 x 12		
Lactose Surge Hopper Baghouse	BH-07		LACH OPBH	Niro, Inc	NA- Built in place	16 oz Polyester		12 x 12		

WPC Surge Hopper Baghouse	BH-08		WPCS RGBH	Donaldson Co., Inc	DLMC		polyester	58.5 x 18.62 x 1	20	
WPC Nuisance Baghouse	BH-09		WPCN USBH	Donaldson Co., Inc	DLMC		polyester	58.5 x 18.62 x 1	20	

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	LACTOSE PRIMARY DRYER
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	750 LB/HR SOLIDS OUTPUT
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	LACTOSE PRIMARY DRYER BAGHOUSE, BH-03		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	NIRO, INC (BAY AREA FILTRATION).		
14. ID(s) of Emission Unit Controlled:			
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.99%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
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PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	LACTOSE FLUIDIZED BED
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	525 lb/hr Solids Output
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	LACTOSE FLUIDIZED BED BAGHOUSE, BH-04		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	NIRO, INC (BAY AREA FILTRATION).		
14. ID(s) of Emission Unit Controlled:			
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.99%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

Emissions Unit - General **Form EU0**

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PERMIT TO CONSTRUCT APPLICATION

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Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	THREE POWDER BINS (LACTOSE)
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	11,500 lb/hr Solids Output
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	LACTOSE POWDER BIN BAGHOUSE, BH-06		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	NIRO, INC (BAY AREA FILTRATION).		
14. ID(s) of Emission Unit Controlled:			
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.99%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

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PERMIT TO CONSTRUCT APPLICATION

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IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	TWO SURGE HOPPERS (LACTOSE)
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	17,600 lb/hr Solids Output
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	LACTOSE SURGE HOPPER BAGHOUSE, BH-07					
11. Date of Installation:		12. Date of Modification (if any):				
13. Manufacturer and Model Number:	NIRO, INC (BAY AREA FILTRATION).					
14. ID(s) of Emission Unit Controlled:						
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)					
	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.99%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
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Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 2
02/14/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WPC SURGE HOPPER
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	13,200 lb/hr Solids Output
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	WPC SURGE HOPPER BAGHOUSE, BH-08		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	DONALDSON CO, INC., DLMC		
14. ID(s) of Emission Unit Controlled:			
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency						

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency. GRAIN LOADING GUARANTEE

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

Emissions Unit - General **Form EU0**

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PERMIT TO CONSTRUCT APPLICATION

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Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Glanbia Foods, Inc.	Glanbia Foods, Gooding Facility	047-00008
Brief Project Description:	Lactose Line Equipment Upgrageand New WPC Bagging Line	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WPC BAGGING LINE
2. EU ID Number:	
3. EU Type:	☐ New Source ☐ Unpermitted Existing Source ☒ Modification to a Permitted Source -- Previous Permit #:P-2007.0052 Date Issued: 3/23/07
4. Manufacturer:	RELCO
5. Model:	
6. Maximum Capacity:	10 LB/HR SOLIDS OUTPUT
7. Date of Construction:	MAY 2008
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☒ No ☐ Yes If Yes, Complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	WPC NUISANCE BAGHOUSE, BH-09		
11. Date of Installation:		12. Date of Modification (if any):	
13. Manufacturer and Model Number:	DONALDSON CO, INC., DLMC		
14. ID(s) of Emission Unit Controlled:			
15. Is operating schedule different than emission units(s) involved?:	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒Yes ☐No (If yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency						

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency. GRAIN LOADING GUARANTEE

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	8760 HRS/YEAR
19. Maximum Operation	8760 HRS/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☐ Yes ☒ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	

DEQ AIR QUALITY PROGRAM
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For assistance, call the Air Permit
Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION
Revision 2
2/14/2007

Company Name:	Glanbia Foods, Inc.
Facility Name:	Glanbia Gooding
Facility ID No.:	047-00008
Brief Project Description:	Lactose Line Equipment Upgrade and New WPC Bagging Line

Please see instructions on next page before filling out the form.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Point Source(s)													
Boiler 1 (26.4 -NG)	BOILER1	0.19	0.83	0.02	0.07	2.78	12.17	2.33	10.22	0.15	0.67	0.00	0.00
Boiler 2 (Dual 25.1) - NG	BOILER2	0.18	0.69	1.27	0.05	3.59	9.12	2.00	7.66	0.13	0.50	0.00	0.00
Boiler 2 (Dual 25.1) - Diesel	BOIL2D	0.59	0.32	1.27	0.69	3.59	1.94	0.90	0.48	0.10	0.05	0.00	0.00
Boiler 3 (Dual 25.1) - NG	BOILER3	0.18	0.69	1.27	0.05	3.59	9.12	2.00	7.66	0.13	0.50	0.00	0.00
Boiler 3 (Dual 25.1) - Diesel	BOIL3D	0.59	0.32	1.27	0.69	3.59	1.94	0.90	0.48	0.10	0.05	0.00	0.00
Boiler 4 (25.1) - NG	BOILER4	0.18	0.79	0.01	0.06	2.38	10.41	2.00	8.74	0.13	0.57	0.00	0.00
Boiler 5 (Biogas)	BOILER5	0.12	0.51	6.79	29.74	1.39	6.07	1.76	7.72	0.19	0.82	0.00	0.00
Flare	FLARE	0.09	0.37			0.80	3.50	4.35	19.04	0.74	3.24		
WPC Dryer	DRYER1	0.07	0.29	0.01	0.02	0.87	3.81	0.73	3.20	0.05	0.21	0.00	0.00
Generator	GEN1	0.57	0.06	2.88	0.29	1.82	1.82	0.48	0.48	0.05	0.05	0.00	0.00
Heater 1 (1.5)	HEAT1	0.01	0.05	0.00	0.00	0.14	0.62	0.12	0.52	0.01	0.03	0.00	0.00
Heater 2 (5.89)	HEAT2	0.04	0.19	0.00	0.01	0.56	2.44	0.47	2.05	0.03	0.13	0.00	0.00
Heater 3 9 1.374)	HEAT3	0.01	0.04	0.00	0.00	0.13	0.57	0.11	0.48	0.01	0.03	0.00	0.00
Existing Lactose Baghouse	LACBAG	0.76	3.34										
Primary Dryer Baghouse	PDRYBH	0.08	0.33										
Fluidized Bed Baghouse	FBEDBH	0.05	0.23										
Mill Receiving Baghouse	MRECBH	0.08	0.33										
Powder Bin Baghouse	PBINBH	1.15	5.04										
lactose Surge Hopper Baghouse	LACHOPBH	1.76	7.71										
WPC Surge Hopper Baghouse	WPCSRGBH	0.03	0.13										
WPC Nuisance Baghouse	WPC NUSB	0.11	0.50										
Lactose Dryer to Scrubber*	SCRUB	(5.05)	(22.09)										
Total		1.79	0.67	14.79	31.68	25.23	63.53	18.15	68.73	1.82	6.85	0.00	0.00

* Note: Scrubber PM_{10} values represent negative values, no netting for this source. Scrubber will be removed as a result of this Modification.

NOTE to DEQ FORM DEVELOPER: Negative values in these cells do not give correct TOTAL.

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit **Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 2 2/14/2007

Please see instructions on next page before filling out the form.

Company Name:	Glanbia Foods, Inc.
Facility Name:	Glanbia Gooding
Facility ID No.:	047-00008
Brief Project Description:	Lactose Line Equipment Upgrade and New WPC Bagging Line

SUMMARY OF EMISSIONS INCREASE (PROPOSED PTE - PREVIOUSLY MODELED PTE) - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	Stack ID	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Point Source(s)													
Primary Dryer Baghouse	PDRYBH	0.08	0.33										
Fluidized Bed Baghouse	FBEDBH	0.05	0.23										
Mill Receiving Baghouse	MRECBH	0.08	0.33										
Powder Bin Baghouse	PBINBH	1.15	5.04										
lactose Surge Hopper Baghouse	LACHOPBH	1.76	7.71										
WPC Surge Hopper Baghouse	WPCSRGBH	0.03	0.13										
WPC Nuisance Baghouse	WPC NUSBH	0.11	0.50										
(insert more rows as needed)													
Total		3.26	14.27										

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the Air Permit **Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 2 2/14/2007

Company Name:	Glanbia Foods, Inc.
Facility Name:	Glanbia Gooding
Facility ID No.:	047-00008
Brief Project Description:	Lactose Line Equipment Upgrade and New WPC Bagging Line

Please see instructions on next page before filling out the form.

SUMMARY OF AIR IMPACT ANALYSIS RESULTS - CRITERIA POLLUTANTS

		1.		2.	3.	4.		5.
Criteria Pollutants	**Averaging Period**	**Significant Impact Analysis Results (µg/m3)**	**Significant Contribution Level (µg/m3)**	**Full Impact Analysis Results (µg/m3)**	**Background Concentration (µg/m3)**	**Total Ambient Impact (µg/m3)**	**NAAQS (µg/m3)**	**Percent of NAAQS**
PM_{10}	24-hour	16.85	5	73.15	73.00	146.15	150	97%
	Annual	4.89	1	11.40	26.00	37.40	50	75%
SO_2	3-hr		25				1300	
	24-hr		5				365	
	Annual		1				80	
NO_2	Annual		1				100	
CO	1-hr		2000				10000	
	8-hr		500				40000	